

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 SEP 09 CA/CAPLUS records now contain indexing from 1907 to the present
NEWS 4 DEC 08 INPADOC: Legal Status data reloaded
NEWS 5 SEP 29 DISSABS now available on STN
NEWS 6 OCT 10 PCTFULL: Two new display fields added
NEWS 7 OCT 21 BIOSIS file reloaded and enhanced
NEWS 8 OCT 28 BIOSIS file segment of TOXCENTER reloaded and enhanced
NEWS 9 NOV 24 MSDS-CCOHS file reloaded
NEWS 10 DEC 08 CABA reloaded with left truncation
NEWS 11 DEC 08 IMS file names changed
NEWS 12 DEC 09 Experimental property data collected by CAS now available in REGISTRY
NEWS 13 DEC 09 STN Entry Date available for display in REGISTRY and CA/CAPLUS
NEWS 14 DEC 17 DGENE: Two new display fields added
NEWS 15 DEC 18 BIOTECHNO no longer updated
NEWS 16 DEC 19 CROPU no longer updated; subscriber discount no longer available
NEWS 17 DEC 22 Additional INPI reactions and pre-1907 documents added to CAS databases
NEWS 18 DEC 22 IFIPAT/IFIUDB/IFICDB reloaded with new data and search fields
NEWS 19 DEC 22 ABI-INFORM now available on STN

NEWS EXPRESS DECEMBER 28 CURRENT WINDOWS VERSION IS V7.00, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 23 SEPTEMBER 2003
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NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 10:13:10 ON 12 JAN 2004

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 10:13:35 ON 12 JAN 2004
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 9 JAN 2004 HIGHEST RN 635758-32-6
DICTIONARY FILE UPDATES: 9 JAN 2004 HIGHEST RN 635758-32-6

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

Please note that search-term pricing does apply when

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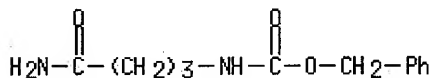
Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

```
=> s gamma aminobutyramide
      122714 GAMMA
          25 AMINOBUTYRAMIDE
L1      3 GAMMA AMINOBUTYRAMIDE
          (GAMMA(W) AMINOBUTYRAMIDE)
```

```
=> d l1 1-3
```

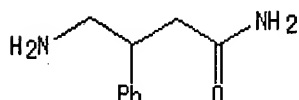
```
L1  ANSWER 1 OF 3  REGISTRY  COPYRIGHT 2004 ACS on STN
RN  35821-20-6  REGISTRY
CN  Carbamic acid, (4-amino-4-oxobutyl)-, phenylmethyl ester (9CI)  (CA INDEX
    NAME)
OTHER NAMES:
CN  N-(Benzoxycarbonyl)-γ-aminobutyramide
CN  N-Benzyloxycarbonyl-γ-aminobutyric acid amide
FS  3D CONCORD
MF  C12 H16 N2 O3
LC  STN Files:  BEILSTEIN*, CA, CAPLUS, CASREACT, IFICDB, IFIPAT, IFIUDB,
    TOXCENTER, USPATFULL
    (*File contains numerically searchable property data)
```



****PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT****

9 REFERENCES IN FILE CA (1907 TO DATE)
9 REFERENCES IN FILE CAPLUS (1907 TO DATE)

```
L1  ANSWER 2 OF 3  REGISTRY  COPYRIGHT 2004 ACS on STN
RN  25271-48-1  REGISTRY
CN  Hydrocinnamamide, β-(aminomethyl)-, dihydrochloride, DL- (8CI)  (CA
    INDEX NAME)
OTHER NAMES:
CN  DL-β-Phenyl-γ-aminobutyramide dihydrochloride
MF  C10 H14 N2 O . 2 Cl H
LC  STN Files:  CA, CAPLUS, TOXCENTER
CRN  (102571-00-6)
```



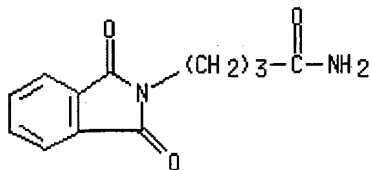
2 HCl

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

```
L1  ANSWER 3 OF 3  REGISTRY  COPYRIGHT 2004 ACS on STN
RN  3459-33-4  REGISTRY
CN  2H-Isoindole-2-butanamide, 1,3-dihydro-1,3-dioxo- (9CI)  (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN  2-Isoindolinebutyramide, 1,3-dioxo- (7CI, 8CI)
```

OTHER NAMES:

CN 4-Phthalimidobutyramide
 CN **N-Phthalyl- γ -aminobutyramide**
 FS 3D CONCORD
 MF C12 H12 N2 O3
 LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CHEMCATS, RTECS*, TOXCENTER,
 USPAT2, USPATFULL
 (*File contains numerically searchable property data)



****PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT****

12 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 12 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> file medicine

FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED
 COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	15.01	15.22

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FILE 'USPAT2' ENTERED AT 10:14:50 ON 12 JAN 2004
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=> s gamma aminobutyramide
30 FILES SEARCHED...
L2 34 GAMMA AMINOBUTYRAMIDE

=> 1
1 IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> s l1
7 FILES SEARCHED...
20 FILES SEARCHED...
35 FILES SEARCHED...
L3 61 L1

=> s spastic or convulsion or brain injury or idiopathic dystonia or torsional dystonia
19 FILES SEARCHED...
L4 216992 SPASTIC OR CONVULSION OR BRAIN INJURY OR IDIOPATHIC DYSTONIA OR
TORSIONAL DYSTONIA

=> s l2 or l3
L5 89 L2 OR L3

=> s l4 and l5
L6 4 L4 AND L5

=> dup rem
ENTER L# LIST OR (END):16
DUPLICATE IS NOT AVAILABLE IN 'ADISINSIGHT, ADISNEWS, DGENE, DRUGMONOG2,
IMSPRODUCT, KOSMET, MEDICONF, NUTRACEUT, PCTGEN, PHARMAML'.
ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE
PROCESSING COMPLETED FOR L6
L7 4 DUP REM L6 (0 DUPLICATES REMOVED)

=> d l7 1-4 ibib, kwic

L7 ANSWER 1 OF 4 USPATFULL on STN

Full Text	Citing References
ACCESSION NUMBER:	2003:147186 USPATFULL
TITLE:	Nerve stimulation for treating spasticity, tremor, muscle weakness, and other motor disorders
INVENTOR(S):	Ayal, Shai, Jerusalem, ISRAEL Cohen, Ehud, Ganei Tikva, ISRAEL Darby, Ron, Raanana, ISRAEL
PATENT ASSIGNEE(S):	BIOCONTROL MEDICAL LTD. (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003100933	A1	20030529

APPLICATION INFO.: US 2002-254024 A1 20020924 (10)
RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 2001-843334, filed
on 26 Apr 2001, PENDING Continuation-in-part of Ser.
No. US 2002-205474, filed on 24 Jul 2002, PENDING
Continuation-in-part of Ser. No. WO 2002-IL68, filed on
23 Jan 2002, UNKNOWN Continuation-in-part of Ser. No.
US 2001-944913, filed on 31 Aug 2001, PENDING

NUMBER DATE

PRIORITY INFORMATION: US 2002-383157P 20020523 (60)
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: DARBY & DARBY P.C., P. O. BOX 5257, NEW YORK, NY,
10150-5257
NUMBER OF CLAIMS: 250
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 7 Drawing Page(s)
LINE COUNT: 2830

SUMM [0007] Cerebral palsy (CP) is an upper motor neuron (UMN) disorder
typically caused by **brain injury** at or around the time of birth, or
in the first year of an infant's life. The most common type of CP is
spastic CP, which causes spasticity, mainly of the flexor muscles of
the arms and legs. In CP, spasticity is caused by. . .
SUMM . . . and clonazepam), dantrolene, and, more recently, tizanidine
(Zanaflex). Additionally, recent studies have shown that injecting Botox
(the Botulinum toxin) into **spastic** muscles can bring relief by causing
the muscles to relax.
SUMM . . . PCT Patent Publication WO 01/10432 to Meythaler et al., which
is incorporated herein by reference, describes a method for treating
spastic disorders, convulsive disorders, pain and epilepsy by
administering a therapeutically-effective amount of the compound
gamma-aminobutyramide and analogs thereof.
SUMM . . . the constants are pre-set for a given condition. The
physiological parameters are preferably indicative of the onset or
strength of **spastic** muscle contraction and/or limb movement. The
control unit preferably comprises a sensor unit for measuring the
physiological parameters. For some. . .
DETD . . . the constants are pre-set for a given condition. The
physiological parameters are preferably indicative of the onset or
strength of **spastic** muscle contraction and/or limb movement. For some
applications, control unit 20 drives the electrode device to apply a
current in. . .

L7 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN

Full Text	Citing References
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ACCESSION NUMBER: 2001:114975 CAPLUS
DOCUMENT NUMBER: 134:141767
TITLE: Use of GABA agonists for treatment of **spastic**
disorders, convulsions, epilepsy, and pain
INVENTOR(S): Meythaler, Jay M.; Peduzzi, Jean
PATENT ASSIGNEE(S): UAB Research Foundation, USA
SOURCE: PCT Int. Appl., 28 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	---	-----	-----	-----
WO 2001010432	A1	20010215	WO 2000-US21886	20000810
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,			

SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN,
YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,
CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

EP 1202720 A1 20020508 EP 2000-955436 20000810

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO, MK, CY, AL

JP 2003506407 T2 20030218 JP 2001-514950 20000810

NZ 517407 A 20031031 NZ 2000-517407 20000810

PRIORITY APPLN. INFO.:

US 1999-148159P P 19990810

WO 2000-US21886 W 20000810

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

- TI Use of GABA agonists for treatment of **spastic** disorders, convulsions,
epilepsy, and pain
- AB A method is disclosed for treating a patient/subject having a **spastic**
disorder, a convulsive disorder, pain, or epilepsy which includes
administering a therapeutically effective amt. of γ -
aminobutyramide, analogs, substituted forms, derivs., pharmaceutically
acceptable salts, esters, amides, and prodrugs thereof, or compds. which
yield γ -**aminobutyramide** as an intermediate, metabolite, or
byproduct.
- ST GABA agonist **spastic** disorder **convulsion** epilepsy pain;
aminobutyramide **spastic** disorder **convulsion** epilepsy pain
- IT Medical goods
(catheters, spinal; γ -**aminobutyramide** and
related compds. for treatment of **spastic** disorders,
convulsions, epilepsy, and pain)
- IT Nervous system
(dystonia; γ -**aminobutyramide** and related
compds. for treatment of **spastic** disorders, convulsions,
epilepsy, and pain)
- IT Muscle, disease
(hypertonia, **spastic**; γ -
aminobutyramide and related compds. for treatment of
spastic disorders, convulsions, epilepsy, and pain)
- IT Drug delivery systems
(implants, pumps; γ -**aminobutyramide** and
related compds. for treatment of **spastic** disorders,
convulsions, epilepsy, and pain)
- IT Drug delivery systems
(intrathecal; γ -**aminobutyramide** and related
compds. for treatment of **spastic** disorders, convulsions,
epilepsy, and pain)
- IT Drug delivery systems
(intraventricular; γ -**aminobutyramide** and
related compds. for treatment of **spastic** disorders,
convulsions, epilepsy, and pain)
- IT Drug delivery systems
(prodrugs; γ -**aminobutyramide** and related
compds. for treatment of **spastic** disorders, convulsions,
epilepsy, and pain)
- IT Nervous system
(spasticity; γ -**aminobutyramide** and related
compds. for treatment of **spastic** disorders, convulsions,
epilepsy, and pain)
- IT Brain, disease
(trauma; γ -**aminobutyramide** and related
compds. for treatment of **spastic** disorders, convulsions,
epilepsy, and pain)
- IT Analgesics
Anticonvulsants
(γ -**aminobutyramide** and related compds. for
treatment of **spastic** disorders, convulsions, epilepsy, and

~ pain)

IT 1134-47-0, Baclofen 3251-08-9, γ -Aminobutyric acid amide
3251-08-9D, γ -Aminobutyric acid amide, derivs. 62666-20-0,
Progabide
RL: BAC (Biological activity or effector, except adverse); BSU (Biological
study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES
(Uses)
(γ -aminobutyramide and related compds. for
treatment of **spastic** disorders, convulsions, epilepsy, and
pain)

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Full Text	Citing References
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on STN

ACCESSION NUMBER: 80219761 EMBASE
DOCUMENT NUMBER: 1980219761
TITLE: New anticonvulsants: Schiff bases of γ -aminobutyric
acid and **γ -aminobutyramide**.
AUTHOR: Kaplan J.P.; Raizon B.M.; Desarmenien M.; et al.
CORPORATE SOURCE: Dept. Chem., CNS Unit, Lab. Etudes Rech. SYNTHELABO, 92220
Bagneux, France
SOURCE: Journal of Medicinal Chemistry, (1980) 23/6 (702-704).
CODEN: JMCMAR
COUNTRY: United States
DOCUMENT TYPE: Journal
FILE SEGMENT: 050 Epilepsy
LANGUAGE: English

TI New anticonvulsants: Schiff bases of γ -aminobutyric acid and
 γ -aminobutyramide.

AB Schiff bases of γ -aminobutyric acid (γ Abu) and
 γ -aminobutyramide (γ AbuNH₂) were prepared and tested for
anticonvulsant and γ Abu mimetic activity. 4-[[[4-Chlorophenyl](5-
fluoro-2-hydroxyphenyl)methylene]amino]butanoic acid monosodium salt (4)
and 4-[[[4-chlorophenyl](5-fluoro-2-hydroxyphenyl)methylene]amino]butanami
de (5) blocked. . .

CT Medical Descriptors:
*4 aminobutyric acid h 3
brain
cerebellum
convulsion
drug distribution
structure activity relation
central nervous system
in vitro study
animal experiment
mouse
rat
normal human
*progabide acid
*bicuculline
*progabide
*muscimol
*phenytoin
*valproic acid
calcium 45

L7 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN

Full Text	Citing References
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ACCESSION NUMBER: 1975:557909 CAPLUS
DOCUMENT NUMBER: 83:157909
TITLE: Elevation of brain γ -aminobutyric acid in the
mouse by L-2,4-diaminobutyric acid
AUTHOR(S): Shuter, Eli R.; Robins, Eli

CORPORATE SOURCE: St. Louis, MO, USA
SOURCE: Transactions of the American Neurological Association
(1974), 99, 49-51
CODEN: TANAA4; ISSN: 0065-9479
DOCUMENT TYPE: Journal
LANGUAGE: English
AB In mice injected with L-2,4-diaminobutyric acid (I) [1758-80-1] (50 mg) and sacrificed at 1, 10, and 20 hr or allowed to die, there was a marked increase in brain GABA [56-12-2]; after 1 hr, 8.3%; after 10 hr, 58.4%; after 20 hr, 94.8%, and at time of death 153%. Et γ -aminobutyrate-HCl (II) [6937-16-2] and γ -aminobutyryl choline chloride-HCl (III) [2922-18-1] produced convulsions, and γ -aminobutyramide [5959-32-0] produced sedation, all without altering brain GABA content. II and III may block GABA receptors at inhibitory synapses, whereas I may prevent the uptake of GABA at presynaptic storage sites following synaptic release.
IT 2922-18-1 6937-16-2
RL: BIOL (Biological study)
(GABA of brain in response to, **convulsion** in relation to)

=>